

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: avidov@juno.com (avi bendov)
Subject: 180L-3 Mil Version ?
Message-ID: <19970407.022425.3646.1.avidov@juno.com>

Anyone know if there was a Military version of the Collins 180L-3 ?

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: Mike Sanders <k0az@i1.net>
Subject: 3-400Z/3-500Z caution
Message-ID: <3.0.16.19970406090455.23a74d80@i1.net>

Greetings All, Yep just plug em in and go with it with one exception. The physical height of the 3-500Z is slightly greater than the 3-400Z which is a tad shorter than the 3-500Z. I have put 3-500Zs in the older Henry 2K style amps in place of the 3-400Zs. In these amps the sockets have to be modified on their mounting to drop the tube down a bit so as not to have the Plate caps contacting the top of the unit. I believe the Drake amps have sufficient room in them to just plug and play. So check the physical size of your tube compartment before using the 3-500Zs in place of the 3-400Zs. Otherwise go for it.

73, Mike K0AZ

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: vancleef@netcom.com (Henry van Cleef)
Subject: Re: AC Line bypass Caps??
Message-ID: <199704061723.LAA19487@netcom4.netcom.com>

As dave metz discourses

>

> Maybe this is a little basic, but recently I finished installing a
> replacement transformer in a RME 45. After much trial and error making a
> replacement get the right voltages, I noticed that I had forgotten to
> replace the AC line bypass caps. The receiver seems to work fantastic and
> I have no "leakage" to ground with them out. I am now wondering if to put
> them back in the circuit.

>

> Question:

> With the usage of 3 prong power plugs, are these necessary and, I guess
> even more basic, what's the theory behind them in the first place?

>

Hi Dave:

I'm copying all of your posting, because I think it is a
"frequently-asked question." I'm a bit puzzled that you say you
"forgot to replace" these caps in an RME-45, because as I recall RME

didn't install bypass caps in the AC line originally.

I always bypass the AC line with a filter physically and electrically located near the entrance of the power cord. The "classic" form of this is a pair of .01 mfd caps from either side of AC power to the chassis ground. This was so universal in the days of two-wire mains power setups that I just copy what the "great minds of the day" did. This will attenuate RFI coming into the set at 455 KHz and above fairly well. There are now special caps sold for the purpose. I would not use a higher value than .01 mfd, although some manufacturers put in some whopping values---I took .25 mfd out of a Hickock signal generator.

What my 45 has in it is a modern filter in a can---the type sold for computer RFI filtering. It is mounted on the side of the chassis, using the two holes for the original power supply bleeder resistor, which my set no longer uses. These "racket busters" are made to keep RFI generated inside the unit from going out the cord, and a small computer generates tons of noise (switching power supply, logic clocking), so they are fairly effective when used in an old transformer supply radio. Some are somewhat directional in their attenuation; I use the type that are symmetrical pi networks.

Adding a three-wire cord with an earth ground is, I think, a very good idea, because it pretty well guarantees that the chassis can't become "hot" relative to other three-wire equipment, as long as the power wiring to the wall outlet is done properly (I check this in any new place---electricians have been known to miswire those three-wire outlets). However, it does raise the question of "ground loops" relative to the antenna system ground terminal. I think if I were designing for production today, I would specify a .01 cap between the antenna ground terminal and the chassis, to prevent low-frequency current flow in the antenna circuit. The RME antenna circuit is typical, with a "floating" winding connected to the antenna terminals. To connect this in a Marconi antenna circuit, you want an AC ground reference on one side of the coil, which can be provided through the .01 cap as well as with a direct connection, for 160 meters and below (higher freq.).

There seems to be a great deal of discussion over using the power distribution ground wiring as *the* site earth ground, in lieu of a locally-installed "Mecca" ground of well-watered pipes pounded into the earth and connected separately. The US National Electrical Code is fairly specific about how the power distribution grounds are to be run, including adequate connection to the earth. For a ham shack in a domestic dwelling, as long as the circuits (including grounds) are isolated from high-current noise generators, such as microwave ovens, and only connected at the main distribution box, I think of the power

distribution ground as being the "best available." If you're in an apartment or other location where pounding pipes into the ground is not available, it's the only earth ground you've got. The only places I can recall where I've used an "mecca" ground setup were large industrial sites---a Raytheon manufacturing plant, and a couple of similar sites---which also had synchronous motor "capacitors" for power factor correction, three-phase wiring inside the building, and other "symptoms" of high KVA draw from potential noise producers. If you are running a kilowatt transmitter, then maybe you need to consider adequate antenna grounding for it, but for receivers and test equipment, the distribution ground wiring should work OK---and if it doesn't, I'd first look for problems in that wiring and check that it met NEC provisions properly.

My preferred wiring for a three-wire primary power setup in a receiver is: run the black and white wires to a terminal board near the power cord entrance, and strap the green wire to the chassis, generally on or near the terminal board. Run the black (neutral) wire to one side of the power transformer. Run the white wire through a fuse, then through twisted pair to the power switch and back to the other side of the transformer. At the terminal board, connect a pair of .01 mike caps from either side to the ground connection. If using a "filter in a can," the point to pull the power off is the opposite side of the filter from the power cord wiring. Any primary power wiring in the set should be twisted pair (i.e., just twist some hookup wire together). Also you want to take care routing primary power wiring---keep it away from signal-carrying circuits. In a setup like the 45, where the power switch is diagonally opposite the AC entrance, this can mean a long run. Since RME already put the wires in the harness, I just used them.

Most of my comments above are "specification for new design" things I would do. Installing a 3-wire cord in place of a 2-wire is "redesign," so I go over the effects of that. But I also consider that in a shop like RME, they already had plenty of smart guys who weren't ignorant about such things, and take the attitude that "if it is working, don't fix it." When looking over original setups, and considering changes, you want to consider very carefully who did them in the first place. RME was a small shop, with some super-senior talent, who generally committed conservative designs to production and did not try to play "cost reduction" games. Hallicrafters, on the other hand, was a large shop, generally doing long runs, and a part of the design process was to do cost reduction work, including a lot of bench testing to assure that the cost reduction wouldn't cause problems in the field. If you are going to fuss with such a design, you'd better be very careful and know what you are doing, and be prepared to do a bunch of serious bench testing to rediscover what they knew that you don't. That is not a criticism of Hallicrafters'

methodologies---it is a very valid approach. So far as I've seen (on the equipment I've done it on), changing to a three-wire cord and adding a fuse is fairly straightforward, and works well. I've thought about it for a long time, and have concluded the major justification for doing it today is not the unit itself, but to make it compatible with all the other stuff on my bench (starting with Tek scopes and HP stuff) that was originally set up as 3-wire.

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Hank van Cleef
E-mail vancleef@netcom.com or vancleef@tmn.com
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From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: John Hurst <hurstjsj@gte.net>
Subject: Re: AC Line bypass Caps??
Message-ID: <3347E498.3DE1@gte.net>

Henry van Cleef wrote:

>
> My preferred wiring for a three-wire primary power setup in a receiver
> is: run the black and white wires to a terminal board near the power
> cord entrance, and strap the green wire to the chassis, generally on
> or near the terminal board. Run the black (neutral) wire to one side
> of the power transformer. Run the white wire through a fuse, then
> through twisted pair to the power switch and back to the other side of
> the transformer.

I agree with Hank's recommendation except that line color codes are: AC hot is Black and AC neutral is White. BTW this choice of colors has long been a source of confusion and is sore spot with many people.
73, John, KU6X

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: launerb@crl.com (William H. Launer)
Subject: Re: AC Line bypass Caps??
Message-ID: <v01530500af6d9a43cd19@[192.0.2.1]>

I agree with Hank. Use of a 3-wire power cord puts the chassis at (nearly) ground potential, and provides safety from shock hazards. It has little or no effect on line noise entering or leaving the equipment, so the bypass caps are important in some cases. We have a 27" Magnavox tv set which was leaking enough color burst noise that I couldn't receive the Boatanchors net on 3.58 mc. I disconnected the coax from the set,

with no change, so I wrapped a couple turns of the tv line cord through a small split toroid filter. Now, I can barely hear the noise on the frequency. From this, I assume that Magnavox either eliminated (or reduced) line cord bypassing/filtering as a cost saving effort.

73, Bill wb0cld

Bill Launer
St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-l #279 qrp arc1 #3551
Grid Square EM48RT

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: jproc@bellglobal.com
Subject: Re: AC Line bypass Caps??
Message-ID: <Chameleon.4.01.2.970406215941.jproc@jproc.bellglobal.com>

>AC hot is Black and AC neutral is White.

Just when we thought it was defined, I have to throw in a monkey wrench. For years, AC line cords have been supplied with blue and brown color codes that represent HOT and NEUTRAL. Does anyone know the relationship? The old Black and White codes served us so well and to this day I curse whoever allowed a second color system to be introduced.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@bellglobal.com
HMCS HAIDA Naval Museum, Toronto
WEB <http://www3.sympatico.ca/hrc/haida>

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997

From: bill@skeeter.frco.com (William Hawkins)
Subject: Re: AC Line bypass Caps??
Message-ID: <9704070312.AA04890@skeeter.bvc.frco.com>

Just got a flyer from National Technology Transfer, Inc. on the subject of grounding. It has a logo of the blue planet Earth connected by a line to a ground symbol. It promises to "clear up the mystery & confusion surrounding the subject of grounding" in a 2 day course for \$595. But, the 34 things in the course outline do not include RF grounding. You will learn the difference between a GFCI and a GFPE, though. It appears to be aimed at electrical inspectors. Even includes the history of grounding. Write sales@nttinc.com for further details. I don't know them and they never heard of me.

I am interested in history, and read a 1915 Electric Code book. Don't remember what all they said about grounding, but I do remember that the neutral wire must be identified. In the days of black rubber insulation, that meant covering the rubber with something white. White is still the color of the neutral wire, even with colored plastic. That's also why the wide blade of a plug or outlet has a plated terminal while the hot terminals are plain brass.

It will do you no good to twist the pair of wires running to a single pole power switch. When the switch is closed, you just have an antenna. You could twist black and white together out to the switch and back, and switch the black wire (or both with 2 poles). ACDC sets switch the wire that runs to chassis ground, because the switch is on the back of the volume control and that's too close to have something 120 VAC above the audio ground. I've seen the white wire switched in other sets for similar reasons.

Seems to me that in the days before three wire plugs, the plugs (and outlets) were not polarized with wide and standard mating parts. If the set had hum, you turned the plug around (transformer sets, not ACDC). So the line was never tied to circuit ground, but had to be brought to RF ground with bypass caps. That is, the chassis was brought to power line ground for RF in case you didn't use a ground rod. My experience has been that the power line is useless as an RF ground, so it seems much more likely that bypass caps are meant to short out RF coming in or going out on the power line. Perhaps the size of the cap depends on how many times the design went through a review committee, doubling each time.

Regards,
Bill Hawkins

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: Morris Odell <morriso@vifp.monash.edu.au>

Subject: Re: AC Line bypass Caps??
Message-ID: <33486C59.A11@vifp.monash.edu.au>

Hi all,

jproc@bellglobal.com wrote:

>
> >AC hot is Black and AC neutral is White.
>
> Just when we thought it was defined, I have to throw in a monkey wrench.
> For years, AC line cords have been supplied with blue and brown color codes
> that represent HOT and NEUTRAL. Does anyone know the relationship? The old
> Black and White codes served us so well and to this day I curse whoever
> allowed a second color system to be introduced.

YES! we used to have a lovely system here in Oz where red was active (danger), black was neutral and green was earth - seemed nice and intuitive, perhaps too much so for the "innovators". Now we have the blue and brown which I remember by thinking that brown is closer to red (active) and blue is a neutral colour.

73

Morris

Morris Odell Victorian Institute of Forensic Medicine
Forensic Physician 57-83 Kavanagh St, Southbank 3006
mailto:morriso@vifp.monash.edu.au Victoria, Australia
<http://www.vifp.monash.edu.au/CFM/staff/mo.html>

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: vancleef@netcom.com (Henry van Cleef)
Subject: Re: AC Line bypass Caps??
Message-ID: <199704070546.XAA02799@netcom22.netcom.com>

As John Hurst discourses

>
> Henry van Cleef wrote:
> >
> > My preferred wiring for a three-wire primary power setup in a receiver
> > is: run the black and white wires to a terminal board near the power
> > cord entrance, and strap the green wire to the chassis, generally on
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> > of the power transformer. Run the white wire through a fuse, then
> > through twisted pair to the power switch and back to the other side of

> > the transformer.

>

> I agree with Hank's recommendation except that line color codes are: AC
> hot is Black and AC neutral is White. BTW this choice of colors has long
> been a source of confusion and is sore spot with many people.

> 73, John, KU6X

>

Arggh!!! I got this backward again (this is not the first time on this
list). I've known the difference for fifty years, but seem to have a
peculiar dyslexia that makes me get it backward.

In electronic work, red and blue are "hot," (blue is "plate load to
plate"), and black is the return. In power work, white is the return,
and red and black are the hot. I've forgotten the third
color for 3-phase "hot."

There is a European scheme which uses blue, brown, and a striped wire,
which I have to dope out with an ohmmeter every time I run across
one.

--

=====

Hank van Cleef
E-mail vancleef@netcom.com or vancleef@tmn.com

=====

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: Dean Davidson <ddavidso@metz.une.edu.au>
Subject: Re: AC Line bypass Caps??
Message-ID: <3.0.1.16.19970407172551.249f067c@metz.une.edu.au>

At 05:48 7/04/97 GMT, Hank wrote:

>There is a European scheme which uses blue, brown, and a striped wire,
>which I have to dope out with an ohmmeter every time I run across
>one.

In Australia brown is hot, blue neutral, green/yellow stripe is earth

Remember it by what it will do to your pants if you grab the brown wire!

Dean

--

Dean Davidson Web Page: <http://www.une.edu.au/~psychology/deand.htm>

Dept Psychology
University of New England
Armidale NSW 2351 Australia

Email: <mailto:ddavidso@metz.une.edu.au>
Phone: 61 67 73 2585
VK2 ZID

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Re: AC Line bypass Caps??
Message-ID: <Pine.SUN.3.91.970407142537.7847A-100000@indy1>

Hi, Gang!

(Hank started it, by typoing the all-too-easy mistake, then):
On Mon, 7 Apr 1997 jproc@bellglobal.com wrote:
> [...] AC line cords [...] with blue and brown color codes that
> represent HOT and NEUTRAL. Does anyone know the relationship? The old
> Black and White codes served us so well [...] whoever allowed a second
> color system to be introduced. [?]

Two points:

A) They **didn't** serve us that well; Hank is **far** from being alone in flipping 'em and he only did it at the keyboard, I'd bet. A friend (with a good electronics background but nil in home wiring) wired up his entire house that way. At the time (over 20 years ago), it was a common enough mistake that the code allowed it providing a warning was permanently placed at the breaker box.

B) Us? Which "us?" The UK used red & black, I think (the RSGB HB is at home so can't be sure), with black as neutral (the unfused side). Other countries used assorted different colors, too. So when everyone got together and made up the world-standard IEC connector (that three-pin thing on your computer power supply) for the **equipment** end of (removable) line cords, the notion was to come up with colors that wouldn't be "wrong" for anybody's wiring; thus we have blue, brown, and green/yellow wires in line cords now. Economy of scale being what it is, those colors are often used in US-std cords without the IEC connector on the equipment side. It's confusing (at least for me--always have to look up what blue & brown are) but we can be comforted that it's just as confusing in Novy Zemlya, Lhasa, and Paris as it is here.... :)

The UK, being a practical lot (see the clever Brit-standard 13A fused plug for an elegant solution to the problem of protecting house wiring) simply went with "IEC-standard" colors for all line cords. Not sure what they use for actual wiring in the walls--maybe Ben Nock or Andrew Emmerson has had the breaker panel open in a recently-wired UK establishment and

can tell us.

73,
--Bobbi

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: Dennis McLaughlin <dennism2@ix.netcom.com>
Subject: RE: AC Line bypass Caps??
Message-ID: <01BC43DF.CEF71AC0@akr-oh2-03.ix.netcom.com>

I remember the the new power cord color code by thinking if you touch =
the brown wire (hot) you'll turn to S&T. That makes the blue wire =
neutral. The ground wire is now green with a yellow stripe.=20

From: Morris Odell[SMTP:morriso@vifp.monash.edu.au]
Sent: Sunday, April 06, 1997 11:41 PM
Subject: Re: AC Line bypass Caps??

Hi all,

jproc@bellglobal.com wrote:
>=20
> >AC hot is Black and AC neutral is White.
>=20
> Just when we thought it was defined, I have to throw in a monkey =
wrench.
> For years, AC line cords have been supplied with blue and brown color =
codes
> that represent HOT and NEUTRAL. Does anyone know the relationship? The =
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> Black and White codes served us so well and to this day I curse =
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YES! we used to have a lovely system here in Oz where red was active
(danger), black was neutral and green was earth - seemed nice and
intuitive, perhaps too much so for the "innovators". Now we have the
blue and brown which I remember by thinking that brown is closer to red
(active) and blue is a neutral colour.

73

Morris

Morris Odell

Victorian Institute of Forensic Medicine

including the fax machine, appears to be unused.

Today at the Livermore swapmeet I purchased, through Paul's good graces, a RCA Radiomarine receiver type CRM-R1A with the idea of dedicating it to the TXC-1 setup. The CRM-R1A is a dual conversion HF receiver providing push-button selection of 20 crystal controlled channels. It also has a slide rule tuning dial but this is used only for peaking the RF circuits on the selected channel. A peek inside revealed the traditional dead spider (Eek!) and a Colling 3.1kc mechanical filter (Ah!). All the crystal sockets are filled, some even with crystals with another taped back-to-back on top for quick frequency change for that channel. Of course, none of them seem to be on present day fax channels but that would be too much to ask. On the other hand, some past Sparky was kind enough to tape the International Crystal part number for the various channel crystals inside the top cover.

So it appears the final electronic piece is in place. While clearly newer than the TXC-1 (it uses miniature tubes) I think the CRM-R1A will be just the thing for "punching up" a fax transmission on a particular frequency. Now all I need is the table to put all this stuff on. If any of you have 1 ea. Table, Facsimile, MT-252A/TXC-1 needing a new home please let me know! Meanwhile, I hope to get everything operational before JJC decides to stop sending 60rpm fax transmissions.

Regards,

Dick

Dick Dillman
WPE2VT W6AWO
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: Tom Norris <badger@telalink.net>
Subject: Another tube sub question - 6AK6 to ?
Message-ID: <3.0.1.32.19970406204519.006f36d0@telalink.net>

Still havent gotten myself a tube sub book.
Need subs for the 6AK6. My mid-70's sylvania
book doesnt even list it.....

Tom Norris KA4RKT
badger@telalink.net Nashville, Tennessee, USA

Eagles may soar free and proud, but weasels
never get sucked into jet engines.

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: MEC <danmec@inet.uni-c.dk>
Subject: Re: BA Spy Transmitter/Receiver For Sale
Message-ID: <Pine.3.89.9704070919.A14925-0100000@inet.uni-c.dk>

On Fri, 4 Apr 1997, John H. Dilks III wrote:

>

> To all: For Sale at Timmonium on Saturday Only

>

> 1) RS-6 Spy Transmitter & Receiver complete w/spare Parts \$500.
kThis is not a spy set ! Hi

73 rag oz8ro

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: "Tom Bridgers" <Tarheel6@msn.com>
Subject: BA stores in Los Angeles area
Message-ID: <UPMAIL09.199704062153080949@msn.com>

Fellow Anchorites--

Am going to be in LA week after next, and wanted to visit the BA stores out there. Here is the list I have and the comments made from time on Boatanchors:

store	comments	Location
Apex Electronics	"Worth the trip...	Burbank
C&H Sales	"Some good stuff...	LA
Oxman's Surplus	"Good BA gear	Santa Fe Springs
Nevada Metals	"Many URM-25D's...	Long Beach
All Electronics	"Many parts	LA
Electronics & Comp.	"No BA	LA
Hackers Electronics	"Computers only...	LA
Davilyn	"Some BA; but staff	LA

not helpful... and
and gear is expensive"
Pace Electronics "No BA LA

Does anyone have other stores I should add to the list?

thanks and 73's,
Tom KE4RHH

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: wallace@world.std.com (Andy Wallace)
Subject: brief Framingham MA report
Message-ID: <33484e50.34383@world.std.com>

Well, the HS gym was full but not with any real gems!

Saw Deke Lightfoot and Rhyne Killian there...sorry if I missed any
other BA lurkers!

Here are a few things seen...

Heath AT-1, nice shape except for what appeared to be residue from
callsign stickers on front panel -- could not tell if this area had
been oversprayed silver or not... \$90

National 1-10, only one coil inside but clean, homebrew PS and old
headphones, \$75 (I almost got it for ya, Bobbi!)

National 190 and 270 blue receivers...gawd those look weird!

Drake MN-2000 tuners, two there for \$225 and \$195

National NCX-5 and PS, tempted but letters worn off panel in places,
\$100

Globe Chief Deluxe, RME VHF-152A, Knight T-60, T-150, Knight "50 Watt
Transmitter," and Hammarlund HQ-170, all in rather dingy shape...
(that T-60 is so TINY and tempting though)

National RCK, wrong cabinet, extra Millen knob on panel, "barely
works" but never saw one before, asking \$90

Heath Apache, very nice looking, \$175

Speed-X Johnson bug (narrow base and U-shaped yoke) mounted on board
with Speed-X straight key, very nice shape, \$125 asking

A couple of dingy National SW-54s -- \$50 each!

Valiant, pretty good shape, \$275

Collins 75A-1, \$375 I think...it has apparently made the rounds lately

That's about all I can remember. Rhyne had an SX-42 as well. When I saw Deke he was negotiating for a PC motherboard so I don't know if he uncovered any BA treasures. I almost left empty-handed except I decided to spring for the scope my brother and I wanted to share between us -- found a Tek 453 solid-state scope which had been gone thru by a local dealer for a reasonable price. Now to find some good probes (got one P6006 anyhow) and the manual. Should be nice for fixing up BAs.=20

--Andy

wallace@world.std.com

Curly: Oh....short wave?

Moe: No! Poimanent.=20

<BONK!>

(THEY STOOGE TO CONGA, 1943)

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997

From: wallace@world.std.com (Andy Wallace)

Subject: brief Framingham MA report

Message-ID: <33495843.2580925@world.std.com>

> What's a National 1-10? Thanks,

This is a small regenerative VHF receiver, covers 20-250 Mc with plug in coils. I would have bought that one had he had all the coils. I imagine they're impossible to find separately (though I have heard the coils for the HFS, a similar grey National set, will work in it).=20

I've heard they aren't too sensitive even though they have acorn tubes inside. No doubt a recapping and alignment would work wonders.=20

These aren't in Moore's book because it's a regen set. I wish he'd do another volume, of just regens!

--Andy

wallace@world.std.com

Curly: Oh....short wave?

Moe: No! Poimanent.=20
<BONK!>
(THEY STOOGE TO CONGA, 1943)

From boatanchois@sco.theporch.com Sun Apr 6 20:05:49 1997
From: Norm Flasch <flasch@cushy.ece.nwu.edu>
Subject: Re: chicago markets ...
Message-ID: <199702121531.JAA25662@cushy.ece.nwu.edu>

Franco and friends,

The Antique Radio Club of Illinois is having its swap meet (indoors) this Sunday, February 16 at 7:00 AM at the Elgin Holiday Inn. It is not unusual to find Military rigs there as well as many types of old test equipment. However, antique and communication receivers are the majority of what is found there.

See <http://members.aol.com/acri31280/acri.htm> for details and a map.

--
Norm Flasch flasch@ece.nwu.edu Northwestern University
 Electrical and Computer Engineering

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: bill@skeeter.frco.com (William Hawkins)
Subject: Re: chicago markets ...
Message-ID: <9704070233.AA04821@skeeter.bvc.frco.com>

Norm Flasch writes:

>The Antique Radio Club of Illinois is having its swap meet (indoors)
>this Sunday, February 16 at 7:00 AM at the Elgin Holiday Inn.

Since Feb 16 was in fact a Sunday, it seems that this is an exception to the otherwise incredible reliability of email. Something restored from a backup tape, perhaps ...

Was that the date of the Elgin meet? I associate it with better weather, but I dropped my expensive ARC subscription (priced himself out of my small part of the market), and can't look it up.

Regards,
Bill Hawkins

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997

From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Colombus IN!, was Re: Colombus, OH
Message-ID: <Pine.SUN.3.91.970407153236.7847D-100000@indy1>

Arrgh! That's it, I'm not writing anything more today--this cold has clearly gone to my brain. Hamfest referred to was in Colombus INDIANA, not the far larger Ohio town of the same name. Or any other Colombus, the country of Colombia, or any other similarly-named entity or organization.

...Wanders off, humming "The Merry-go-round Broke Down" quietly....

37,
--Bobbi

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Colombus, OH
Message-ID: <Pine.SUN.3.91.970407150642.7847C-100000@indy1>

Hi!

Went to the little 'fest in beautiful Colombus, OH, mostly to pick up some widgets from another listmember, and came home with some nice things in addition to said widgetry: A pretty Weston fan-shaped benchtop milliammeter--0-30, 0-120, 0-600 depending on which binding posts you pick, mirrored scale. Fellow had a couple of larger versions too, one a DC voltmeter and another DCMA job. *Very* handy things and they seem to be showing up more.

Also found the matching W-4 wattmeter (complete & with book!) for the Drake TR-4C that is WTHR's Club Station (i.e., mine and officially installed at work). Paid too much, I'm told, at \$65 but it's near-mint. All we need now is a multiband, 50R antenna--it'll take over 75' of coax to get outside the building. (Don't want to do too much cut & try--probably just going to buy something).

Saw a beat-up KWM-2 for \$350, which seemed high for the external appearance. A local collector picked up a nice Heath SB-300 for around \$200.

Found a couple of nice round meters and a few variable condensers, and spent time chatting with several other Indpls BC engineers who showed up--one of 'em works at a station not two miles from my TV site, it figures we'd have to drive 60 miles to see each other!

A fine little 'fest. These small ones are not as productive as the big ones but the atmosphere is nice. (In this case, it included a cardinal flying around the rafters--poor critter couldn't find a way out).

On the way back, I had the 2m HT on--and kept hearing repeater traffic from the 4th call district on 146.10/70! We had odd weather--must'a been ducting.

73,
--Bobbi

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: Sheldon Wheaton <swheaton@sky.net>
Subject: Definitive RS-6 info
Message-ID: <Pine.GS0.3.93.970407135844.11038K-100000@sky.net>

Notice to BA list members:

This message is forwarded from military radio collector, Dennis Starks.
Any comments or discussion should be directed to him, not me.

I believe Dennis has devoted a lot of effort to researching this very subject, and has some thorough info to present on the subject.

His email address: military-radio-guy@juno.com

73,
Sheldon

----- Forwarded message -----

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: John <johnmb@mindspring.com>
Subject: Re: Definitive RS-6 info????
Message-ID: <199704071925.PAA02324@brickbat8.mindspring.com>

a forwarded message reads:

(snip)

>THESE ARE THE FACTS MAM!

(snip)

>Though it is true ,this set did see service by both Special Forces (200
>of them were surplusd from Ft Brag,SC

(snip)

>I do not have internet access,for years I've been pushed to particpate in
>the Boat Anchors group. For the last several weeks Sheldon has been
>forwarding items to me(thanks). With every item forwarded me.I've been
>appauld by the. SEEMS TO ME TO NOTHING MORE THAN A HUNTING GROUND FOR
>GOLD DIGGING SOB'S. Any usefull info that might have been presented,has
>been so polutted by the dis-info that it's pathetic

Ummm.... "Ft. Brag" (sic) is in NC.....

/John

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: n5off@w5ddl.aara.org
Subject: EAC R-390A contracts
Message-ID: <5102@w5ddl.aara.org>

in response to Tom's question, here is the poop on the 1967
EAC contract numbers.

FR-36-039-N-6-00189 (E)

is the same lot as

DAAB05-67-C-0155

contract. Don't know why EAC posted one on some tags and the
other on some, but generally, the frames and modules show both
numbers at the same time. One is a purchase order, the other a
contract.

Please see the millist homepage at
[HTTP://telalink.net/~badger/millist/index.html](http://telalink.net/~badger/millist/index.html)

for Tom Badger's excellent work on compiling all sorts of
info and pics on hundreds of pieces of military radios.

73 Tom

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: Tom Norris <badger@telalink.net>
Subject: EAC R-390A contracts
Message-ID: <3.0.1.32.19970406104446.007012d0@telalink.net>

>
>in response to Tom's question, here is the poop on the 1967
>EAC contract numbers.
>
>FR-36-039-N-6-00189 (E)
>
>is the same lot as
>
>DAAB05-67-C-0155

>

Thanks Tom for the info....

>

>Please see the millist homepage at
>[HTTP://telalink.net/~badger/millist/index.html](http://telalink.net/~badger/millist/index.html)

>

>for Tom Badger's excellent work on compiling all sorts of
>info and pics on hundreds of pieces of military radios.

>

While I have put many hours into it, I shouldn't get all the credit for the Mil List.

This Mil List is the continuation of Terry O's original Millist and Bill's Mil List at Ft Huachuca. Have added many items to the list as inherited from Bill, though.

Much of the credit goes to all who have sent me information for the list, as without it there would be no list.

Tom Norris KA4RKT
badger@telalink.net

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: Norm Flasch <flasch@cushy.ece.nwu.edu>
Subject: Errant post
Message-ID: <199704071412.JAA00934@cushy.ece.nwu.edu>

That "Chicago Markets" message posted yesterday by my machine here has got to be one for the books. I originally sent this in response in an inquiry in early February. I didn't think I ever saw it posted to the group, however and just assumed I had missed it. Well, it Apparantly never did get posted... until yesterday! We had some very high winds and quite a few power outages. My machine rebooted due to one of these. It probably has been up for months, as is the ideal state of all of our Unix boxes. Well, this reboot was just what was needed to release my post, sent in February, from its lost queue. I'll run this past our sysadmin later today.

Sorry for the confusion. There was a scheduled Antique Radio Club of Illinois meet for February 16 of this year. I missed it because of a snow storm that morning.

The URL in the post is no longer valid. I do not know what happened to it. I will however, post the next swap meet of the ARCI, after I consult the Antique Radio Classified.

--

Norm Flasch flasch@ece.nwu.edu Northwestern University
Electrical and Computer Engineering

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: WA6GYD@aol.com
Subject: fiber glass rods
Message-ID: <970407144756_450840239@emout06.mail.aol.com>

Some one on the list had fiberglass rods for sale back a while. Who? please e-mail me direct. Thanks

Don

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: "Walt Novinger" <waltn@earthlink.net>
Subject: Re: Firebottles is a great name!
Message-ID: <199704061505.IAA16025@sweden.it.earthlink.net>

Michael stated the case elegantly...let's let Jack's list continue the "old" tradition" and help the "new" list establish its own.

Walt

> From: Michael Crestohl <mc@SOVER.NET>
> To: BOATANCHORS@listserv.tempe.gov
> Subject: Firebottles is a great name!
> Date: Sunday, April 06, 1997 1:18 AM
>
> Hello Everyone:
>
> I second Jeff's suggestion "Firebottles-List" for the name of the new
> list.
>
> "Boatanchors" is already in use. Whether you agree with the subscription
> fee policy or not is immaterial as to the name of this list
> <big snip>
> Jim Lockwood, Paul Prescott and Jack Hill have perpetuated this wonderful
> Internet resource and it seems boorish and churlish to try to usurp the
> name

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: George McCrary <geo@ipass.net>
Subject: First RX and NC188 help
Message-ID: <3.0.32.19970407175847.00691468@ipass.net>

Hello,

Since there seems to be a little consternation on the list today, it seems like a good time for this post.

I received via UPS today my first boat (canoe?) anchor receiver. It's a National NC-188. When I took it out of the box I was in love! I know it's not the sexiest vinatge receiver around, but all I've ever had are "riceboxes"! Man, dials big enough to see from across the room! A piece of equipment that looks like it really does something important! And of course the smell after it's warmed up.

I hooked a wire to it at work and it plays pretty well. It may need a bit of tweaking here and there. The only thing it really needs is one piece of side trim, if anyone has a parts rig that would part with one piece of trim, I would be most appreciative.

Maybe this list isn't exactly what some want, but I'm glad to be here! I've learned a lot in the last month, but it shows me how far I've got to go!

73 DE George (KQ4QM)

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: sinned@VNET.IBM.COM
Subject: For Sale:HT-37,HW-100,Warrior
Message-ID: <199704072134.QAA16868@uro.theporch.com>

Anchorites:

These items are available from a ham friend retiring from HF. All are complete, with original manuals. I'm slowly getting around to testing them on the air, but anyone really wanting one of these should make me a reasonable offer. Dealers/profiteers/gougers will not be considered as a new home for these items. Someone who actually uses this kind of stuff will enjoy them alot. BTW: I cannot respond immediatately to inquires, but I will get back to you within a few days, at most.

Located in Dallas, TX area.

Dennis W5FRS

sinned@vnet.ibm.com

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: Robert Lawson <lawson_r@popmail.firn.edu>
Subject: FS/B&K 465 CRT TESTER
Message-ID: <3348D214.296D@popmail.firn.edu>

Fellow BA'er: Since my daughter will be matriculating from graduate school (proud pappa will now have more BA cash flow) I will not be able to attend the Atlanta Hamfest in June. I have for sale a B&K 465 Cathode Tube Tester in excellent condition. In fact, I've never used it in service. Stored here in the ham shack. Any offers?
Tnx es 73
Rob W4RL Pensacola Florida

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: WJoeW@aol.com
Subject: FS: Misc. Test Equipment
Message-ID: <970406210114_1353624095@emout14.mail.aol.com>

Sorry, gang, for the repeat. I accidentally sent it before I had finished!

As I was saying---

RCA Multitester, 20K ohms/volt, nice condition, no probes, works fine---\$20

RCA Senior Voltohmyst VTVM, WV-98C, cosmetically good, meter good, with probes, needs repair----\$10 (it does have power cord)

Heath Frequency Counter, IM-241U, looks okay, works okay, 10 hz to 225 mHz-\$25

Hickok RF Generator 295X, with meter, 125kc-175mc (Big, no AC line cord), pretty good cosmetic condition, as-is---\$15

All prices are plus shipping.

Joe
W5WBR

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: WJoeW@aol.com

Subject: FS: Misc.Test Equipment
Message-ID: <970406201843_1683589189@emout15.mail.aol.com>

RCA WV-38A 20Kohms/volt multitestor, works fine, no probes----\$20

RCA Senior Voltohmyst WV-98C VTVM, cosmetically ok, as-is, meter okay,
no power cord--\$10

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: WJoeW@aol.com
Subject: FS: TV Service Tuner
Message-ID: <970406224816_638541041@emout05.mail.aol.com>

I have one of the stand-alone VHF TV tuners used by servicemen. It plugs
into 120 VAC and has IF output. The brand is Telematic, and I don't see any
model number.

I have not tested it.

It is yours for \$10 plus shipping.

Joe

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: chas@nmaa.org (Charles Kadesch)
Subject: FS: QSTs / equipment
Message-ID: <33495E36.5FF@nmaa.org>

Spring cleaning time again

-A box full of QST magazines. 112 issues total with some from
each year from 1947 to 1959 (some complete years). Also includes
9 issues from WWII (1942) and a few stragglers from the mid 60s.
No dupes. Spans a golden age of boatanchors. \$65.

-Heath HM-15 SWR meter w/ manual. \$25.

-Original Auttek QF-1 filter w/ manual. \$25.

-A set of 4 Western Electric Mercury Contact Relays with W.E.
application notes (nice for keying BA rigs). \$20.

-Heath B-1 Balun Coil w/ manual. \$30.

Note: All prices plus shipping.

Chas W3KC (in MD)

chas@nmaa.org

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: "D. Ragsdale" <doragsda@polymail.cpunix.calpoly.edu>
Subject: FT: SCR-284A (BC-654) Manual
Message-ID: <199704070234.TAA03783@monet.artisan.calpoly.edu>

I have a TM 11-275, "Technical Manual for Radio Set SCR-284-A" 25 August 1943. This manual is in excellent + condition. No stains, tears, or marks on it.

I would prefer to trade it for a similar manual for the ARC-5 (or possibly SCR-274N).

If you need it and don't have the manual to trade, shoot me an email anyway; if no trades materialize I'll probably sell it.

Thanks.

Dave
David Ragsdale
doragsda@oboe.calpoly.edu

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: had@mail1.halcyon.com
Subject: FW: Error Condition Re: ***FS:Millen GDOs***
Message-ID: <Chameleon.4.01.2.970407100042.home@.arva.com>

Hi everybody,

I have two Millen 90651 Grid Dip Oscillators for sale. Both are fully functional and un modified, have good tubes. Come with one set of HF coils in rack and manual copy.

Offer please.

Hadley, K7MLR
had@halcyon.com

E-mail: had@halcyon.com
Hadley, K7MLR

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: "Joseph W. Pinner" <kc5ijd@net-connect.net>
Subject: Gonset G-50 manual needed
Message-ID: <199704061523.KAA04454@dns1.net-connect.net>

Just received a Gonset G-50 from the Bighorn museum (thanks!).

Need a manual if anyone can help.

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@net-connect.net

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: Gary Harmon <gharmon@txdirect.net>
Subject: H-P Test Equipment Value
Message-ID: <3.0.1.32.19970407030905.006aeffc@mail.txdirect.net>

Ran across a couple of nice H-P units today. What if they are desirable
and if so what their value might be?

H-P 616A UHF Signal Generator

H-P 431B Power Meter

Both are military surplus but are marked serviceable. Any information is
appreciated.

73,
gary

=====
Gary H. Harmon, Jr., K5JWK
6302 Robin Forest
San Antonio, TX 78239-3218
(210) 657-1549
gharmon@txdirect.net
TOO MANY PROJECTS, NOT ENOUGH TIME!
=====

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: leeboo@ct.net (Leon Wiltsey)
Subject: ham test
Message-ID: <199704061718.NAA25705@blue.ct.net>

Cant u just start out as a general class ham anymore?
Was told by ve that I had to take the novice tests first, both code and written
and as I have much difficulty with short term memory this makes it tough.

Thank the good LORD for all that you have!!!

Leon B Wiltsey jr. (Lee)

68yr old retired semi disabled senior
(stroke got my balance and coordination)
formerly w4kcj & kp4ryb (till I quite) dumb dumb
play keyboard and sing
music 1920's to 60'
none of the 80'S- 90'S noise

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: k1zat@dsport.com
Subject: Re: ham test
Message-ID: <Pine.GS0.3.95.970406133037.5534A-1000000@puff>

> Cant u just start out as a general class ham anymore? Was told by ve
> that I had to take the novice tests first, both code and written and
> as I have much difficulty with short term memory this makes it tough.

Nope, cant just take element 3B and 13 wpm test and qualify for
a General. You got to take them all from the bottom. Depending on
your VEC, your can take the 13 WPM, and if you pass it, you dont
have to take the 5WPM.

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: Terry Burge <terrybu@netman.ENS.TEK.COM>
Subject: Re: ham test
Message-ID: <9704071540.AA23555@netman.ENS.TEK.COM>

You must pass all the elements, ALL THE ELEMENTS, 1,2,3,4 a, b, etc. I found this out the hard way. Passed my general in 1976 (only time I was really interested in working all states, bicentennial award) and had to go back and pass novice (and advanced, HI HI) later. Thanks FCC. That was back in the days when you took the test at the FCC office in Portland. Memories, memories,...

Terry
KI7M

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: Terry Burge <terrybu@netman.ENS.TEK.COM>
Subject: Re: ham test
Message-ID: <9704071903.AA11533@netman.ENS.TEK.COM>

Bill and gang,

Yep, your're right, I didn't need to take the 5 WPM since I had already passed the 13 WPM. I did have to take the novice theory element even though I'd passed the general theory. Wish the FCC has said I needed to do that when I passed the general theory, I repeatedly asked them and 'no' was the only answer I got. Anyone remember the old lady who worked in the Portland office, God bless her! 5 or 6 months later and many calls and letters, I went in and passed the advanced theory and novice theory. The FCC never did tell me what was the holdup on my license, I had to GUESS what it was and take steps to correct it. Net effect, I was an advance my first license, in 1977.

Such is life.

Terry
KI7M

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: Dick Flanagan <dick@merlin.libelle.com>
Subject: Re: ham test
Message-ID: <v0302091daf6f389250a5@[207.33.105.223]>

>> Cant u just start out as a general class ham anymore? Was told by ve
>> that I had to take the novice tests first, both code and written and
>> as I have much difficulty with short term memory this makes it tough.

>

>Nope, cant just take element 3B and 13 wpm test and qualify for
>a General. You got to take them all from the bottom. Depending on
>your VEC, you can take the 13 WPM, and if you pass it, you dont
>have to take the 5WPM.

One saving grace, however, is you =can= take all the necessary elements at one sitting. If your backside can take the strain, you can go in and take elements 1B, 2A, 2B and 3A in one sitting and walk out with a CSCE for your General license!

What really makes you feel old is when you watch the fourteen-year-olds do that and walk out with their very first license--an Extra! :)

73, Dick

--

Dick Flanagan W6OLD CFII Minden, Nevada
Visit <http://wadg.greatbasin.net/siera/>

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: BEN NOCK <106312.1035@compuserve.com>
Subject: Hammy SP-200 circuit and knobs wanted
Message-ID: <199704071452_MC2-13E8-E259@compuserve.com>

Having been told there are umpteen different Super-Pro's, it is the SP-200 that I need a circuit and knobs for.

Many thanks.

Ben G4BXD.

TOO MANY SETS, NOT ENOUGH TIME TO COLLECT THEM ALL

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: BEN NOCK <106312.1035@compuserve.com>
Subject: Hammy Super-Pro
Message-ID: <199704071339_MC2-13E2-2202@compuserve.com>

Further to my request for suitable knobs for my Super-Pro, it seems I could also do with a decent circuit.

Although there was one with the set, it does not seem to be a full one, as I can not find all the controls that are on the front panel, shown in the circuit.

So, if anyone has a good circuit of the SP I would welcome the opportunity to get a copy.

Many thanks. Ben G4BXD

BEN NOCK, G4BXD, MILITARY WIRELESS IN THE MIDLANDS
MEMBER MILITARY WIRELESS AMATEUR RADIO SOCIETY,
MEMBER DUXFORD RADIO SOCIETY
MEMBER SURPLUS RADIO SOCIETY, RSGB, UKRS, MVT, 39/45 GROUP
MILITARY VALVE & VINTAGE COLUMN - PRACTICAL WIRELESS,
CONTRIBUTOR TO SWM, HRT, CQ & MV MAG

PACKET: G4BXD @ GB7TCM.#24.GBR.EU
INTNET: 106312.1035@COMPUSERVE.COM

"REAL RADIO GLOWS IN THE DARK"

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: "Bob Duckworth" <wb4mnf@atl.org>
Subject: Harvey Wells DF RX??
Message-ID: <199704071525.LAA23400@atl.org>

I was sucked in by the appearance of this radio and ended up the winning bid on that auction web thing.

It's not here yet but I'm curious as to whether anyone can tell more than photo the quoted description.

Is this a radio that would have lived on an AC?

-bob@wb4mnf.atl.org

There is a photo @ www.jwp.bc.ca/rustique/harvey.gif

> This radio receiver was manufactured by Harvey-Wells Electronics.
> It tunes the old aircraft band of 200 - 400 khz as well as the standard
> broadcast band. Measures 5 1/2" x 4 1/2" x 9" deep. In good
> mechanical condition and appears to be complete. Has some
> external plugs - looks like it probably requires a separate power
> supply. Untested. Appears to be from the early to mid 50's.

> > Sorry to be so slow, but I lost your message in the computer last night
> > and just now found it. The connectors are on the side and rear. The
side

> > has a 5 pin circular socket and 2 RCA phono jacks. The rear plug has a
6
> > pin Jones connector. I really do not know if it was intended to slide
> > into a tray, but this is a possibility with the male plug on back as
> > there are 4 guide holes, 1 in each corner. There is no rust, the paint
> > is in good condition, cabinet is crackle gray and front panel is
enamel.
> > Controls consist of Loop/Antenna switch, volume control, tuning knob
and
> > Bandswitch marked Filter - Range - Tower - Broadcast. Hope this helps
> > you.

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: "Ray L. Mote" <rmote@rain.org>
Subject: Heath AG-7 manual available
Message-ID: <Pine.SUN.3.95.970406090341.8646A-1000000@coyote.rain.org>

AG-7 manual dated 4/17/48; 18 pages. Tell me why you need it.

73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: John Shriver <jas@shiva.com>
Subject: Re: ITT 3010 Receiver
Message-ID: <199704071911.PAA04259@shiva-dev.shiva.com>

Any receiver using 6688 and 7788 tubes must be very fine indeed. The
7788 was one of the lowest-noise pentodes ever made. Rare and
expensive, unfortunately.

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: Re: ITT 3010 Receiver
Message-ID: <3349625B.6AF@ghg.net>

John Shriver wrote:

> Any receiver using 6688 and 7788 tubes must be very fine indeed. The
> 7788 was one of the lowest-noise pentodes ever made. Rare and

> expensive, unfortunately.

7788's are expensive, AES wants like \$30 each new in box if my silly memory is actually working this afternoon, ha ha ha. However, I do have a small supply of them. If anyone needs 7788's, drop me a line.

Thanks and 73,

Ben

--

Benjamin D. Hall, Houston Texas - Junque collector extraordinaire.

E-mail: BDHall@GHG.net (home) -or- BHall@EMS.JSC.NASA.GOV

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997

From: k4pf@juno.com (Edward J. Knobloch)

Subject: ITT 3010 Receiver Caution...

Message-ID: <19970407.134755.7767.0.K4PF@juno.com>

On Sun, 6 Apr 1997 18:38:24 GMT don merz <71333.144@CompuServe.COM>
writes:

>I just received a nice ITT-Mackay 3010B receiver as part of a trade.....

My congratulations on picking up an outstanding receiver. As older American ships are scrapped, more of these receivers may turn up for the vigilant boat anchorite.

One caution, though: It's best not to turn the main tuning knob while the 3010 receiver is tipped on its side for access to the bottom. The problem is that there is a lot of play in the tape dial drive mechanism. When operated normally, gravity keeps the sprocketed gears well aligned with the holes in the frequency read-out tape. When it is operated on its side, the sprockets tend to ride up, and will bear against the tape where the holes are +not+, and will accelerate the wear of the tape, widening the holes. Over time, this will lead to sloppiness in the frequency read out system.

Another tip: if you have an instability where the VFO calibration suddenly shifts around 18 Kc, suspect V-12, the 6U8A VFO pre-mixer (not the VFO tube itself). On one

ship, I tested a dozen
spare 6U8A's in that spot, and half had this problem. They were all good
on a tube tester,
and worked fine elsewhere in the receiver.

73,

Ed Knobloch k4pf@juno.com

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: JOHN_SEHRING.parti@ecunet.org
Subject: KWM-2 ON CW
Message-ID: <9704061349.aa12200@pcusa01.ecunet.org>

I like the way Drake does it better in their T-4*'s.

They shift the carrier xtal oscillator (it feeds the balanced
modulator) slightly to put it into the passband of the sideband filter.

Also, small amount of DC voltage is applied to the balanced modulator to
unbalance it.

Applicable to KWM-2? Maybe but that means (gasp!) mods!

I think the problem is not distortion in the audio sine wave but
distortion in subsequent IF/RF stages of the rig. And the KWM's (and
S-lines) are about as clean as you can get out of tube-type SSB rigs, what
with good ALC and inverse RF feedback.

-John Sehring (Sun, Apr 6, 1997 8:23 am MT @Baker, Montana) UCC WB2EQG

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
Subject: Re: KWS-1 Problem
Message-ID: <v03007803af6d67c39236@[134.53.65.12]>

>What I suspect is that the frequency generated is not totally within the
>bandpass area of the filter, I suspect that it is shifted higher. That
>would explain why the highs are cut off on USB, and the excessive lows
>are present on LSB.

Hi Bruce,
I'm confident your diagnosis is correct. It is pretty clear from your
symptoms that the USB and LSB crystal oscillator frequencies are not

positioned properly in the passband of the mechanical filter. There are no trimmer caps for the crystals, so either the crystals have changed frequency, or some of the capacitors in the circuit have changed. Let's hope it is the latter. To diagnose the problem properly, you really should check the oscillator frequencies with a counter, but I gather from your remarks that that isn't possible.

I'd start by changing C121, the 100pF cap that is tied to the plate of V104A. Since the full plate voltage appears across that cap, it is under stress and could have changed value. If you want to try some trial and error before clipping leads, try tacking temporarily a small value (e.g., 20pF) cap in parallel with C121 to see what difference that makes. Also try patching a cap (100pF, say) across C120, the 470pF cap in series with the crystals. C120 and C121 are the two capacitors that have the greatest effect on the crystal frequencies.

Although you said you checked all the resistors, I'd double check R130, the 470K grid leak capacitor for V401A. It might have drifted up in value over the years, which would tend to bias the tube toward cutoff, thus explaining why your measured voltage at the plate of V401A is higher than expected.

If, after changing all these components, then I don't think you've got any recourse but to replace the crystals.

73,

Jim Garland W8ZR

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: don merz <71333.144@CompuServe.COM>
Subject: Mackay help Needed
Message-ID: <970406183639_71333.144_DHB47-4@CompuServe.COM>

I just received a nice ITT-Mackay 3010B receiver as part of a trade with the good folks on the USS Pampanito. Unfortunately, the main tuning knob was broken in shipment. I am gluing it to gether. But on the rare chance that someone has a part rig around, I could use anew knob. I also need some Amperex 6688 and 7788 tubes for spares and aMANUAL for this radio.

This is a very interesting set that was profiled in the 2/97 issue of ER. It has a celluloid dial, Collins mechanical filters (one of which is missing on this one) and is built like a battleship. I will update the list as there's any progress on this one. One difference from the C model shown in ER is that this one is black--very sexy.

Finally, if anyone knows the test settings for the 6BL8 tube on the Hickok 533 then I could use that info. (the Hoickok 600 and 605 and Philco 9100 are the same designa dntheir settings will work too).

Thanks.
73, Don

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: Gary Youney <72302.2164@CompuServe.COM>
Subject: Manuals
Message-ID: <970407002625_72302.2164_DHR29-1@CompuServe.COM>

I have the following manuals (most are copies, but good copies):

HC-10
Mohawk
Cheyenne
Heathkit OP-1 Scope
EFJ Ranger
EFJ 122 VFO
HT-33A
EFJ 6N2
EFJ 6N2 Thunderbolt

First come, first served (EMail me first, to find out if you indeed are first!). All I ask is that you send me a buck each (for postage and a large envelope).

73,

Gary Youney K5QT
18615 Big Cypress Dr.
Spring, TX 77388

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: Avery Comarow <AComarow@usnews.com>
Subject: Manuals needed for Heath stuff
Message-ID: <2.2.16.19970407072516.30d79eb0@pop3.usnews.com>

Picked up a couple of manual-less Heath items at Timonium this weekend and would much appreciate copies. I'd be happy to pay copying/shipping costs.

--IT-28 RCL bridge (Heath called it a capacitor tester)

--CT-1 capacitor checker (quick go/no go device)

Thanks in advance.

Avery W40GK

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: "David M. Nance" <dmnance@roanoke.infi.net>
Subject: Meissner Signal Shifter Coil Information
Message-ID: <33486156.3AF4@roanoke.infi.net>

Was doing some more spring cleaning the other night and re-discovered some plug in coils for a Meissner Signal Shifter I acquired several years ago. There are three coils - two of them have labels on the top and the label is missing on the third one. They are as follows:

4-prong 20 meter Oscillator Grid Coil #18-2909

6-prong 20 meter Doubler Coil #18-2911

5-prong (label missing) - 17 turns with a tap 7 turns from the bottom.

I don't recall ever seeing a Signal Shifter but there is an ad for one in the 1948 December QST. However, that one appears to be bandswitched. Was there another version that used plug in coils? I take it the unmarked coil is probably the plate tuning. I'd really like to know what unit these go to.

73,

David - WB4SSE
dmnance@roanoke.infi.net

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: "John D. Peters" <k1er@gte.net>
Subject: Re: Meissner Signal Shifter Coil Information
Message-ID: <3348BBF7.184A@gte.net>

David M. Nance wrote:

>

> Was doing some more spring cleaning the other night and re-discovered
> some plug in coils for a Meissner Signal Shifter I acquired several years
> ago. There are three coils - two of them have labels on the top and the
> label is missing on the third one. They are as follows:

><SNIPPED>

> I don't recall ever seeing a Signal Shifter but there is an ad for one in
> the 1948 December QST. However, that one appears to be bandswitched.
> Was there another version that used plug in coils? I take it the
> unmarked coil is probably the plate tuning. I'd really like to know what
> unit these go to.
>
> 73,
>
> David - WB4SSE
> dmnance@roanoke.infi.net

Well, on page 509 of the 1941 ARRL Handbook, we find the Meissner catalog. The "De Luxe Signal Shifter" (aka signal DRIFTER to us users) was available for \$47.50 item number 9-1027, send your order to Mt. Carmel, Illinois. There is an off/on switch and a mode switch, and the lid is hinged, so I'd guess your coils go in the top. For \$47.50, you'll be pleased to know it's "complete with tubes."

73 John K1ER

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: w8kj@juno.com (Dewey K Jones)
Subject: Re: Meissner Signal Shifter Coil Information
Message-ID: <19970407.022023.5311.0.W8KJ@juno.com>

> There are three coils - two of them have labels on the top and
> the
> label is missing on the third one. They are as follows:
> 5-prong (label missing) - 17 turns with a tap 7 turns from the bottom.
> I don't recall ever seeing a Signal Shifter but there is an ad for one
> in
> the 1948 December QST. However, that one appears to be bandswitched.
> Was there another version that used plug in coils? I take it the
> unmarked coil is probably the plate tuning. I'd really like to know
> what
> unit these go to.
> 73,>
> David - WB4SSE
> dmnance@roanoke.infi.net
>

Hi David

I just went downstairs and peeked into the Meissner "deluxe" model I have here.

Coils and part no.s as follows

Osc. grid coil (10m) 18-2912 6 pin

Osc. plate coil (10m) 18-2913 5 pin

Doubler coil (10m) 18-2914 4 pin

I suspect that the unmarked one you have is a Osc. plate coil 18-2910.

Hope this helps.

The ad you mention in QST(48) I believe shows the "top of the line" model which I know even less about.

Good Luck, Kevin W8KJ

w8kj@juno.com

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997

From: vancleef@netcom.com (Henry van Cleef)

Subject: Re: Meissner Signal Shifter Coil Information

Message-ID: <199704070638.AAA08172@netcom22.netcom.com>

As David M. Nance discourses

>

(Meissner signal shifter)

> There are three coils - two of them have labels on the top and the

> label is missing on the third one. They are as follows:

>

> 4-prong 20 meter Oscillator Grid Coil #18-2909

>

> 6-prong 20 meter Doubler Coil #18-2911

>

> 5-prong (label missing) - 17 turns with a tap 7 turns from the bottom.

You've got a full 20 meter set for a prewar "Deluxe" Signal Shifter.

>

> I don't recall ever seeing a Signal Shifter but there is an ad for one in
> the 1948 December QST. However, that one appears to be bandswitched.

> Was there another version that used plug in coils? I take it the

> unmarked coil is probably the plate tuning. I'd really like to know what
> unit these go to.

>

Meissner built several radically different designs under the name

"Signal Shifter." The prewar units had plug-in coils, a 6F6

oscillator, and a 6L6 buffer-doubler (on all but 160 M) output. This
is the '41-'42 "Deluxe" unit.

The postwar version was entirely different----a separate 300 volt
power supply, and a main unit with Johnson ceramic caps and turret
band select built like a TV tuner on steroids. Oscillator is a 6V6,
and buffer-doubler is an 807. That's a lot of Toob in that last stage
for only 300 volts, and a bunch of them have been pumped up to higher
voltage, which I don't think is the world's hottest scheme.

I have a '42 "deluxe" and a '48 "EX". The '42 is 9.5 on a scale of 10

museum condition; the EX is a bare chassis rebuild using parts from two junkers and all new small passives. Power output from each is nearly identical: 12-13 watts into 300 ohms on 160 meters, 6-7 watts on 20 and 10 meters. That's "measured" here on the units, into a dummy load, not spec sheet watts.

Many of these were sold as kits. Wiring-soldering quality on all three of my units was unacceptably bad. A good resweat job is probably in order for any signal shifter. Also note that the output impedance is around 300 ohms, balanced. A lot of people put UHF (SO-239) connectors on them, which isn't the world's hottest scheme, because coax impedance is too low for them. Also, the postage stamp micas used as blocking caps in the plate circuits should be replaced. There is too much DC and RF on them for their ratings (all of them were bad in my units, so got 1600 volt Orange Drops, which will cut the mustard in this application). Also, the EX schematic specifies 150K grid leak on the 6V6, which is idiotically huge for this toob, and I'll bet that oscillator squegging is a problem on the units. Put about 47 K in there so you get more than a few picoamperes of grid current and lower the time constant in the circuit to kill the squegging.

--

=====
Hank van Cleef
E-mail vancleef@netcom.com or vancleef@tmn.com
=====

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: James True <jltrue@aristotle.net>
Subject: Re: Meissner Signal Shifter Coils
Message-ID: <199704070425.XAA17601@aristotle.net>

Addressed to: boatanchors@sco.theporch.com
dmnance @roanoke.infi.net

David,

Your coils go to a "DeLux Signal Shifter" models 9-1077 9-1078 9-1079 or 9-1080. The unlabeled coil is the Oscillator Plate Coil (L2 or the middle socket). The infomation I have does not indicate what the difference in the four model numbers might be, but they share the same instructions. The units had a 5X4G rectifier, two VF 150's, a 6F6 oscillator, and a 6L6 buffer/doubler. The coils you have are the 20M bandspread coils which came as a set part number 18-2918. I do not know offhand what the production dates were for these models. They are

probably the early ones. Mine sure looks like its been around for a while. By the way, these were unofficially known as Meissner Signal Drifters.

73's

James True N5ARW EMail: jltrtrue@aristotle.net
P.O. Box 13280 Voice: 501-851-8783
Maumelle, AR 72113 Fax: 501-851-8784

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: maccary@on-ramp.ior.com
Subject: Mystery Navy RX
Message-ID: <m0wE5Av-001KvyC@on-ramp.ior.com>

Help guys,

I picked up the subject receiver at a flea market and it looks like the Navy version of an NC100, well, not exactly. Has the NC fan dial with 6 bands:200-400, 500-1050, 1050-2.4, 2.2-5.0, 4.5-10, and 9-18. Bandswitching is the NC100 type coil catacomb. The controls remaining(this thing has been hacked) are RF gain, tuning knob, AF gain, and a switch for AVC, MVC, CW. The set has 9 tubes and all the bottles on the RF side are plugged in and all of the bottles on the AF side are missing. As best I can tell, it looks like it has push-pull audio to the speaker terminals. There is a mysterious large relay to the left of the three-section tuning caps.

The tubes are all 12 volt so I would suspect the missing output tubes to be 12A6 type. One of the missing ones must be the phase inverter (assuming I am correct about the push-pull) and the other one an audio amp maybe? There is no crystal filter and no audio filter that I can find.

Does anyone know this RX, the tube lineup, and where I can find a schematic to help undo an S Meter that someone cobbled up(big hole!).Also, what is the relay for (now mostly disconnected).

Thanks,
Mac-WONAX

Lawrence M. MacCary --- A Subscriber at Internet On-Ramp, Inc.

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997

From: k7sz@juno.com (Rich H Arland)
Subject: Portable Vertical Antenna
Message-ID: <19970407.031334.18927.1.K7SZ@juno.com>

Tnx to all who responded....and there was a BUNCH of you!

I have several leads on 5BTVs, 14AVQs, & an AV5. Also looking into a St. Louis Vertical with the W6MMA mod kit.

tnx again.

73 rich K7SZ

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: Mike Toneri <toneri@ils.net>
Subject: Re: Question:Invader 2000
Message-ID: <199704061756.MAA01907@server1.ils.net>

At 04:25 AM 4/6/97 GMT, Walter L. Marshall wrote:

> Dear Boaters,
> Is this a nice amp? Whats the approximate worth? How
> about the 175 tubes, are they hard to find? Expensive?
> Thank youse,
> Walter
>

The Invader 2000 is a complete transmitter, not just an amplifier. The PL175 tubes are no longer manufactured although you may be able to find some around. The 4-400 is a direct substitute for that tube. What other info do you require about the transmitter?

73...Mike VE3FGU

Mike & Lynda Toneri E-mail: toneri@ils.net

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997
From: "Lamb, Charles E MD" <lambmd-ce@saalem.ge.com>
Subject: RBL question
Message-ID: <00FF473301D9AED0@mhsgate.salem.ge.com>

Hello group,

While looking around the Timonium fest, I happened across an RBL-2 mfg by Natl. in 1942 and serial # 945 which I toted home. Now, I can't say it is the cleanest copy available in the world but it has great promise for

restoration cosmetically. It does work, but only poorly and the primary deficiency seems to be due to a few mods I can see - there is a pot on the tuning shaft which is jumpered for example. My greatest concern is the inability to produce regeneration for copying any keyed carrier type VLF signals (a large handicap for that part of the spectrum). Having worked 160-190 KHz as a lowfer in years past, I am most interested in getting this girl properly dressed and fully functional for marriage to a waiting Beverage antenna. Before this ceremony can occur, it will be necessary to find some info - at least a schematic - to initiate repairs.

I know there was a thread on the RB series some time back but I didn't retain any of that material. Could I ask for any aficionados to contact me directly with info?

Thanks!

Charles WD4KZK
<lambmd-ce@salem.ge.com>

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997
From: "Walter L. Marshall" <wmarshall@CapAccess.org>
Subject: Rocks
Message-ID: <Pine.SUN.3.91-FP.970407101127.14314B-1000000@cap1.capaccess.org>

Dear Bottle Lovers,
Everyone's looking for rocks. I'll ask the obvious.
Why don't you try Jan Crystals for your 180 meter rocks?
Their phone and address is in the handbook.
Walter

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997
From: "Andy Howard, WA4KCY" <sweetbay@compuserve.com>
Subject: Re: RS-6 Radio Sets
Message-ID: <199704071613_MC2-13E9-DB1B@compuserve.com>

Hi Gang,

This is from a recent post to the list.

>I've interveiwed numerous owners,& users of the set to
>include,pilots,aircrew,radio/servival instructors for SAC,ham radio &
>Special Forces operaters,& ex CIA representatives.

>Though it is true ,this set did see service by both Special Forces (200
>of them were surplusd from Ft Brag,SC in 1960 & purchased for \$10.00ea
>by hams on the base),& The CIA. .Both these cases we must speculate in a
>very limited/simi experimental capacity .

I must admit that I know little or nothing about the radio sets in
question. Neither did I realize that they had moved Fort Bragg from North
Carolina to somewhere in South Carolina. Wonder what they did with Fort
Jackson?

Anyway, there had to be some humor in there somewhere.

Regards to all and malice to none,

~~~~~  
Andrew E. (Andy) Howard, Sr., WA4KCY  
105 Sweet Bay Lane  
Carrollton, Georgia 30116-8519  
Telephone 770-832-0202  
Southeastern Division Director, AM International  
wa4kcy@usa.net wa4kcy@juno.com wa4kcy@qsl.net  
Vintage Radio Home Page Address:  
<http://ourworld.compuserve.com/homepages/sweetbay>  
<><

~~~~~  
Keeper of the Hallicrafters SX-88 Owners List
~~~~~

Vintage Radios, Electric Trains, Machine Guns, etc.

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997  
From: don merz <71333.144@CompuServe.COM>  
Subject: RS-6 Worthwhile  
Message-ID: <970407212917\_71333.144\_DHB69-2@CompuServe.COM>

The RS-6, regradless of whether we call it a "spy" radio or not, is a cute  
little piece of history. They are easy to work on and fun to play with. The  
neat little swing-out key has a certain appeal too. I don't think the radio  
should be condemned for the category that it's placed in. If you have a  
chance to pick one up at a price you can afford, then you might enjoy it.  
If you can get one "donated" to you, so much the better.

73, Don

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997  
From: BEN NOCK <106312.1035@compuserve.com>  
Subject: RS-6, a thought.  
Message-ID: <199704071339\_MC2-13E2-2203@compuserve.com>

It strikes me that while the RS-6 is a small set,  
the words "Spy Set" leave a lot to be desired.

For a start, its in four bits, each in its own bag, not a  
brown leather suitcase in sight !

Then, trying to operated the set on anything other than  
a nice large flat table, and the silly plugs fall out of each unit.

The pathetic inch or two of lead between units mean that if your a left  
handed keyer, like me, its very difficult to get easy action.

And the xtal plugs into the top of the tx. Just asking to  
be knocked off and broke.

And the rx tuning on the higher ranges, well, all the ranges  
actually, is real cramped.

So as "Spy" sets go, its way down the list, hi.

Cheers, Ben G4BXD

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997  
From: Dennis R Starks <military-radio-guy@juno.com>  
Subject: Sheldon Please forward this,I've had enough!

THESE ARE THE FACTS MAM!

The RS-6 (was originally designed for & used use by the Stratigic Air  
Command),& no other. In approx 1951,Suppliments to the manual Dated 1952  
are indeed marked to that effect.

I've interveiwed numerous owners,& users of the set to  
include,pilots,aircrew,radio/servival instructors for SAC,ham radio &  
Special Forces operators,& ex CIA representatives.

Though it is true ,this set did see service by both Special Forces (200  
of them were surplused from Ft Brag,SC in 1960 & purchased for \$10.00ea  
by hams on the base),& The CIA. .Both these cases we must speculate in a  
very limited/simi experimental capacity .

There are several reasons for the pyhsical appearance etc of the set however I'm not writting another book here,suffice to say that given by Pete is correct,as too are the objections but Hue(thanks).

RS-6's are neither rare or extremely valuable,the norm for a nice set being \$125.00(I've had two donated to me).Anybody calling it a \*SPY RADIO\* & tacking a \$500.00 price tag on it ,is a rip off SOB with the entent of sticking the public for the max . Untolled thousands of RS-6's were givin to MARS memebbers(this the source for every one of the 5 I own)in the late 60's>early70's. The US Government does not give away thousands of \*SPY RADIOS\* to civilians.

I do not have internet access,for years I've been pushed to particpate in the Boat Anchors group. For the last several weeks Sheldon has been forwarding items to me(thanks). With every item forwarded me.I've been appauld by the. SEEMS TO ME TO NOTHING MORE THAN A HUNTING GROUND FOR GOLD DIGGING SOB'S. Any usefull info that might have been presented,has been so polutted by the dis-info that it's pathetic. All this in a strickly non-commercial invironment! My butt! I can see similar feelings in other comment's made on this same previous subject. We're all tierd of seeing spectacular surenames(like SPY RADIO) given to equipment in a simple & for the most part obvious attempt to screw the public out of a few more bucks.

As for non-commercial nature of Boat Anchors,& after seeing Mr Dilk's (catalogue),who can any longer fool themselves into beleiving this.

Dennis Starks

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997  
From: Morris Odell <morriso@vifp.monash.edu.au>  
Subject: sinewaves  
Message-ID: <33482B7E.640B@vifp.monash.edu.au>

Hi Bobbi and the gang,

Roberta J. Barmore wrote:

> Ummm...I'm off-topic here--will try for scant justification.  
>  
> The \*really\* cheap way to make clean sinewaves with sand at one freq is  
> to take clean \*squarewaves\* of 50% duty-cycle, condenser-couple 'em (with  
> a shunt condenser of perhaps .1X the coupling value to eat the worst HF,  
> and shove it through a narrow, even ring-y bandpass filter.

I'll second this method, and in fact you don't even have to use a bandpass filter, a 3 or 4 pole low pass is quite adequate for audio tones and will allow a little "tuneability" of the input frequency not to mention an easier design. The absence of ringing means you can use it for FSK tones.

I built my RTTY modulator this way and it works very well. The output waveform looks a lot like a sinewave although I must admit I haven't measured its harmonic content (anybody got an audio wave analyser to spare?)

73

Morris

-----  
Morris Odell                                      Victorian Institute of Forensic Medicine  
Forensic Physician                                      57-83 Kavanagh St, Southbank 3006  
mailto:morriso@vifp.monash.edu.au                                      Victoria, Australia  
http://www.vifp.monash.edu.au/CFM/staff/mo.html  
-----

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997  
From: Mike Toneri <toneri@ils.net>  
Subject: Spec for Hammond transformer?  
Message-ID: <199704061754.MAA01862@server1.ils.net>

Does anyone have the spec for an old Hammond transformer (filament ?) model number 16674. It is a multi-tap transformer.

thanks,      Mike VE3FGU

\*\*\*\*\*  
Mike & Lynda Toneri      E-mail:    toneri@ils.net  
\*\*\*\*\*

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997  
From: "John H. England" <jengland@mail.tds.net>  
Subject: Sprague Tel-Ohm T0-4 Diagram  
Message-ID: <1.5.4.32.19970406100231.0066b60c@conc.tdsnet.com>

I have recently acquired a Sprague Tel-Ohm Model T0-4 Capacitor checker-analyzer and would like to have a manual on this this unit. Looks

like this would be a candidate to reform capacitors with. Anyone have one?  
I'll be happy to pay postage and copying expenses. Thanks in advance John  
K4RIG

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997  
From: Nick England <nick@cs.unc.edu>  
Subject: Re: Spy Radio stuff  
Message-ID: <199704071704.NAA23140@altair.cs.unc.edu>

I'm still looking for any info on the RT-1-B transmitter.  
73 & Have Fun,  
Nick England KD4CPL nick@cs.unc.edu Univ. Of North Carolina  
<http://www.cs.unc.edu/~nick> Chapel Hill NC

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997  
From: w7ni@teleport.com (Stan Griffiths)  
Subject: Re: Tek 453 Scope  
Message-ID: <199704071111.EAA25133@kim.teleport.com>

>Just bought a Tektronix 453 scope, serial 27K... Seems like a nice  
>little scope for boatanchor repairs. Sweep to .1 uS, which I guess  
>comes out to 10 MHz...? Hmm, not as fast as I thought. Anyone know  
>what the usable BW of this thing is? I was hoping to use it for BA  
>stuff, as I said, but I wonder if it will percolate up to 80 MHz  
>signals.  
>  
>Right now all I have is the P6006 probe (seller said 35 MHz). Hope to  
>find a better one, or a pair, since this is a dual-trace scope.  
>  
>Seller recommended Manuals Plus but it seems to me someone in this  
>field was selling original manuals...I'd like to find one for the 453.  
>  
>  
>  
>Anyone with 453 comments, feel free to speak up.  
>  
>  
>--Andy  
>wallace@world.std.com

Hi Andy,

The 453 has a bandwidth of 50 MHz but you can see signals way above that,

probably to 100 MHz or so. It does have tunnel diode triggers so you can get stable displays way up there.

There is a guy who sells original manuals, until he runs out of them, and then he will make you a nice copy:

Deane Kidd, W7TYR  
27270 S.W. Ladd Hill Road  
Sherwood, OR 97140

Phone: (503) 625-7363 [after 9:00 AM Pacific Daylight time, please]

Deane is not on the internet.

Deane may have some probes for you too. Ask him.

Stan w7ni@teleport.com

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997  
From: JOHN\_SEHRING.parti@ecunet.org  
Subject: THANK YOU FOR HELP ON DRAKE PTO  
Message-ID: <9704061349.aa12190@pcusa01.ecunet.org>

Got a ton of help on my dead Drake PTO! Thanks to all.

What a gold mine of information and experience is found here. And best of all, it's shared.

-John Sehring (Sun, Apr 6, 1997 8:01 am MT @Baker, Montana) UCC WB2EQG  
It seems to me that one big problem with receiver multicouplers is overloading them. This could produce inter- and cross-modulation, heard by every receiver connected to it.

By their nature, they have active devices in them and don't have any front end selectivity at all nor AGC which is at the root of the problem.

I think that just plain old passive resistive T-pads would be fine. Sigs on lower short wave bands are so strong and most all sw rx's sufficiently sensitive, sigs can easily be attenuated by 3 or 6 dB with no problem.

That does leave the problem of inter-receiver interaction though. I don't know whether this is really a problem or not.

Guess that's why it takes the Navy 20 tubes to do it.

-John Sehring (Sun, Apr 6, 1997 8:05 am MT @Baker, Montana) UCC WB2EQG



From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997  
From: "John H. Dilks III" <oldradio@worldnet.att.net>  
Subject: Timmonium Report -and- resending to the BA net  
Message-ID: <19970407103131.AAA26032@LOCALNAME>

--- note: I was so tierd that I sent this to myself, not the BA! Original sent Saturday p.m. ---

To all,

I met at least 25 BA'ers from the net at Timmonium today. It was great to see all of you. I'm back home and a little tierd, so just a short note:

I appoligize for not saying that I was leaving immediately after posting the "For Sale at Timmonium" ad. I did not receive any of the replies until just a few minutes ago. I will endeavour to reply individually to all tommorrow.

Note: 1) the big mike has found a new home with a RCA Microphone Collector, and I'm sure it is a happy home too.

2) the 2A3's are gone.

3) many of the books are gone too, but not all.

4) and--- I still have the RS-6. I plan to photo the main pieces and I'll put them up on the NJARC web page in a couple of weeks ( I'll post a notice here ). This should allow anyone to view it - to see just what a RS-6 looks like. I'll repost the offer to sell (or trade) in a week or two, .. maybe? (I would really like to keep it; you know how that is.)

5) the "TUBE-LORE" books sold well. Most buyers knew about the book, but it was fun to see the two or three who just discovered it existed. They were thrilled! I'll bring them again to the next hamfest I go to.

Now for what I found:

1) a Browning-Drake "Regenaformer" radio (c-1925) in pretty good shape (I now have 3 in my collection - all different!)

2) A General Radio 1140 Wave Meter for my wave-meter collection 250-1200 mhz (or mc as it was, then).

3) A TNT breadboard transmitter (c-1950's) rough copy of QST 1929 rig. (It takes a single #10 tube, not included.)

All three were found within 50 feet of my selling space! (I didn't get around too much today as the xyl was watching me very closely.) But each find was a great find!

73' John Dilks, K2TQN

```
.=====
|      73's from John H. Dilks, K2TQN, oldradio@worldnet.att.net      |
|                                                                       |
|  New 1-12-97: Radio History Article by John Hogan, Radio Pioneer,  |
|  written in 1922. Edited with Photos, Bios, Sound Files and       |
|                               HyperLinks.                           |
|                                                                       |
|  The New location for the NJARC is http://www.eht.com/oldradio |
|                                                                       |
|  There's always something new about old radio on our Web Page.     |
|                               We update it every week!              |
|=====
```

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997  
From: "Walter L. Marshall" <wmarshall@CapAccess.org>  
Subject: Timonium  
Message-ID: <Pine.SUN.3.91-FP.970406223933.2026B-100000@cap1.capaccess.org>

Dear Ham Festers,  
Not Uncle Festers. What happened at Timonium this  
weekend. Haven't seen any posting on it.  
Walter

From boatanchors@sco.theporch.com Mon Apr 7 10:51:12 1997  
From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>  
Subject: Timonium Brief Report (HT-37 Manual Wanted)  
Message-ID: <Pine.A32.3.91.970406235106.25262C-100000@ppdu.nrl.navy.mil>

Walter,

I was only at Timonium on Saturday. Bill Breshears (WC3K) had a great boat anchors table and by the end of the day had a full page of signatures on his sign up sheet. There were three large areas for selling: (1) the outdoor tailgate area, (2) the indoor tailgate area and (3) an indoor area with tables.

I picked up the following:

SCR-522 VHF AM transceiver complete with case (2 each)  
HT-37 Transmitter (Can someone provide an original or copy of the manual?)  
110 VAC Power Supply for the BC-191 (weighs 150 pounds)

166/U speaker for GRC equipment

I was with a friend who was visiting from England and he commented that if the BA's that we saw were in England, they would produce much larger prices.

Some of the other list members will have to give a more complete report.

Paul Bernhardt, KF4FOR

On Mon, 7 Apr 1997, Walter L. Marshall wrote:

> Dear Ham Festers,  
> Not Uncle Festers. What happened at Timonium this  
> weekend. Haven't seen any posting on it.  
> Walter  
>

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997  
From: Bill Breshears <bbuck@cccbbs.com>  
Subject: Timonium Hamfest Report  
Message-ID: <01BC434A.462FA620@s20.cccbbs.com>

The hamfest turnout on Saturday was very good with a large attendance of both tailgaters and shoppers. Sunday was sparse, perhaps the threat of rain made a difference.

Boatanchourites signing the BA log at my "BA Table" totaled 33. There were about a dozen to swap tales at the 10AM get-together on Saturday, two on Sunday. While there was a lot of talk about the lack of BA treasures, and prices, there were still a lot of items purchased by the group. I would say it was a success.

I sold the few items I had for sale as did the other BA members using the table. Worked Well, plan on the same next Hamfester.

As I shopped, I saw this navy signal generator with \$50 posted, I hefted it and it was too BA heavy to handle at that time. But the owner detected my interest (SUCKER), and muttered something like "My wife wont let me bring it home", and said "Gimme \$5 and the kid here will carry it to your car." What a deal! It checked out great at home, it is a AN/URM-26A, 3mc to 405mc, with calibrated attenuator that is sufficiently shielded to allow receiver noise floor measurements. A good deal, Now if he had only had an SX88 -----

Bill Breshears WC3K ex: W5VVP, VK8BJ, WA6ZEZ  
Bowie, Maryland  
bbuck@cccbbs.com

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997  
From: William Donzelli <william@ans.net>  
Subject: TL-146  
Message-ID: <199704071957.AA14368@interlock.ans.net>

I picked up a little Army dofunny at the Timonium fest called "TL-146". This looks like the main frequency dial on the ARC command receivers, but is in bare metal finish, calibrated from 0 to 11 ("but this one goes to eleven"), and has a bit of a crank attached to it. It looks like it ought to mate with a shaft or spline.

Any hints?

William Donzelli  
william@ans.net

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997  
From: WJoew@aol.com  
Subject: TV BA Data  
Message-ID: <970407135146\_1021587454@emout03.mail.aol.com>

At the risk of incurring the "wrath of Khan" or whoever, I wanted to see if any of the BA gang would be interested in a pile of TV factory data that I have.

I have about 12 cartons or so of factory service data which is primarily TV but also covers VCR's and radios. It is mostly RCA for 1960's, 70's and 80's. There is also a liberal sprinkling of Zenith, Motorola, Admiral and others. Even some Curtis Mathes.

The latest data I saw was some early 90's Sharp data. Most of this data is in ring binders. There must be 30 or so big red RCA binders. The lot includes several hundred RCA microfiche. There is even a microfiche viewer that looks like it might could be made to work. This stuff includes the technical "theory of operation" type manuals for the principal RCA products during this period, some factory training course material plus the standard factory service documentation.

I would be willing to box this stuff up and send it to someone, if they would pay for shipping plus \$50 for the trouble (boxes, tape, sweat, etc). I think

it is about 12 cartons worth, give or take a few.

I also have about 120 Sams folders (complete) between #520 and #750. This is about 3 cartons, I would say. I would ship these CONUS for \$75.

My garage is small and I must clear this stuff out, one way or another. If you can use any or all of this stuff, or if your garage is larger than mine, holler.

Joe  
W5WBR

Joe  
W5WBR

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997  
From: "Edward J. Zeranski" <ejz@nosc.mil>  
Subject: TV-10 pedigree  
Message-ID: <2.2.32.19970407210634.00c78688@marlin.nosc.mil>

Well, hit the Santee swap again and carried off a TV-10 military tube tester. Is this a separate set or variation of the TV-7? It works there is a manual, now the 2C39 adapter I found in VA Beach won't be an orphan. Other stuff was a couple of 6146Bs, a box of 2E26s, misc small parts, pack of squash plants and little HeathKit SWR bridge. The Heath will get lined up with a Lysco tuner. List member John Kolb was a seller with an RAO etc and an interesting demo of atmosphere/BA interfacing and filtering. The high Z Visqueen material provided the right match to the intermittent rain.

Oh yeah, just as an example to the "definitive RS-6 expert" I SENT Don Merz a pair of NIB 7788s for his "new" RX. I guess these grounds support more than money grubbing SOB's.

Ed Zeranski : ejz@marlin.nosc.mil, work / ezeran@cris.com, home  
Wooden Boats, Tube Receivers, Rusty Old Trucks, The Good Stuff!  
This is a private opinion or statement and is nobody's fault but mine.  
No person, employer, or govt. should try to take credit for it!

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997  
From: Matt Jodziewicz <mattj@oraus.com>  
Subject: Viking Paint Match Found!!  
Message-ID: <01BC4338.9FE5D340@mattj.oraus.com>

Hi Gang,

Well I just could not wait and had to work on the EFJ KW matchbox this weekend. The paint gods smiled and the XYL found a perfect match for the green/gray of the cabinet. It is Rustoleum Charcoal/Green spray. I sprayed the cabinet yesterday and it looks like it is new!!!

The red and gray paints, however, are best bought from listmember RE Hummel's new batch made especially for the Johnson Viking cabinets.

No financial interest, just a frustrated looker and a happy camper that some is now available.

Thanks to everyone that replied to the original post.

73 de Matt WB2VZS

From boatanchors@sco.theporch.com Sun Apr 6 20:05:49 1997  
From: RIlowite@aol.com  
Subject: wanted  
Message-ID: <970406164909\_-601821961@emout01.mail.aol.com>

Hi Gang ;;; I'm Looking for the following stuff. A glass Eimac chimney for the 3-400Z  
and an Amphenol 2 pin male connector, similar to the S0239 type but with 2 pins.  
Any help would be appreciated.  
Ralph;;;W2GKG

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997  
From: MTH3@mimi@magic.itg.ti.com  
Subject: wanted: BC-611 HF walkie talkie(s)  
Message-ID: <9704071852.AA12801@itg.ti.com>

From: mth3@msg.ti.com

Subj: wanted: BC-611 HF walkie talkie(s)

Looking for one or a pair of BC-611? HF low power walkie talkies from WWII era. Had my hands on a set of these as a kid, would like to obtain

a set to replace those that I no longer have.

Anybody got one they will part with or direct me to a possible source?

Thanks

73,

Michael Helm WC5Z Lubbock, Texas email mth3@msg.ti.com

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997

From: MTH3@mimi@magic.itg.ti.com

Subject: wanted: WWII? military backpack VHF set

Message-ID: <9704071845.AA10486@itg.ti.com>

From: mth3@msg.ti.com

Subj: wanted: WWII? military backpack VHF set

Looking for a specific VHF backpack transciever as described below.

I do not have a model number, so hence the description:

covered 50 mc region +/-, tunable

used some acorn tubes in at least part of the circuit

I believe it ran CW, MCW, and AM phone

rcvr was regenerative I think

transmitter was low power

unit used a wet cell battery driving a vibrator power supply

had a collapsable whip antenna

whole thing fit in a canvas backpack, designed to set the backpack

bottom down, radio controls faced out back of backpack (not top like in the PRC9 etc series)

unit was a gray painted aluminum box, rough dimesions about 8" to 10" on a side (it has been 25 years, so I don't remember precisely.

I had the use of this set for a while when in high school back in 1972.

I was unable to buy this radio at that time due to lack of funds (\$15, hi).

Would like to aquire a like set for nostalgia/lost youth reasons.

Anybody got one they would part with or even know what it is or might be for that matter? I have never seen another unit like this at any swapmeet nor in Fair Radio or SS of Neb catalogs. Any help would be appreciated.

73,

Michael Helm WC5Z Lubbock, Texas email mth3@msg.ti.com

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997

From: "Walter Fairclough" <wfairclo@netcom.ca>

Subject: WTB: Hallicrafters SX-43 Parts Radio

Message-ID: <199704072114.RAA18566@tor-srs2.netcom.ca>

Trying to restore an SX-43. Need a parts radio. Please provide description and price.

Thanks for reading.

Walter Fairclough  
Manotick, Ontario  
wfairclo@netcom.ca

From boatanchors@sco.theporch.com Mon Apr 7 18:03:45 1997  
From: rsolomon@tsd.textron.com  
Subject: WTB: Small RTTY Machine  
Message-ID: <9703078604.AA860455124@cctds.tsd.textron.com>

Looking for a small RTTY machine to mate with my R-392/CV-278 combination. I think that Kleinschmidt may have made something in the past. Do not want to get involved with those mechanical monsters (Model 15, 28, etc) Been there, Done that. Any help/ thoughts/ideas ?? Tnx es 73 de Dick, W1KSZ.